

IN THE CLAIMS

This listing of claims replaces all prior listings and versions of the claims filed in this application.

Listing of Claims

Claims 1-18 (Canceled).

Claim 19 (Currently Amended): A method of manufacturing a rear-projection type screen having two or more overlapping sheet-like members selected from a group consisting of a Fresnel lens sheet, a Lenticular lens sheet having a hollow place formed therein, and a front plate, and a protrusion ~~being~~ integrally formed on ~~one of~~ the Fresnel lens sheet, ~~the Lenticular lens sheet, and the front, plate which have been selected from the group to~~ constitute the two or more overlapping sheet-like members and , said protrusion being fitted within the hollow place of the Lenticular lens sheet ~~the protrusion being formed to protrude and protruding~~ from a second overlapping sheet-like member of the two or more overlapping sheet-like members,

the method comprising steps of:

fabricating an inverted mold of the protrusion into a metal mold or a stamper;

forming the two or more overlapping sheet-like members with the protrusion integrally formed thereon by injection molding using the metal mold or the stamper; and

overlapping a first overlapping sheet-like ~~members~~ member of the two or more overlapping sheet-like members and the second overlapping sheet-like ~~members~~ member of the two or more overlapping sheet-like members to produce a gap between a front end of a lens on the first overlapping sheet-like member of the two or more overlapping sheet-like members and the second overlapping sheet-like member of the two or more overlapping

sheet-like members , said gap extending over an entire screen image effective region of the screen, said protrusion of the Fresnel sheet and said hollow place of the Lenticular lens sheet being positioned outside the screen image effective area of the screen.

Claim 20 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 19, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on a stamper holder.

Claim 21 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 19, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on both surfaces of the sheet-like members.

Claim 22 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 19, wherein the sheet-like members are made of any one of acrylic resin, polycarbonate resin, polyolefin resin, polystyrene resin, thermoplastic elastomer resin, and copolymerized resin thereof.

Claim 23 (Previously Presented): The method of manufacturing a rear-projection type screen according to claim 19, ~~wherein~~ which comprises forming the protrusion ~~is formed so as~~ to protrude from the second overlapping sheet-like member of the two or more overlapping sheet-like members.

Claim 24 (Previously Presented): The method of manufacturing a rear-projection type screen according to claim 19, wherein the gap has a length which is in a range of being equal to or greater than 0.1 mm and being equal to or less than 2.0 mm.

Claim 25 (Currently Amended): A method of manufacturing a rear-projection type screen having two or more overlapping sheet-like members selected from a group consisting of a Fresnel lens sheet, a Lenticular lens sheet, and a front plate, ~~a protrusion being integrally formed on one of the Fresnel lens sheet, the Lenticular lens sheet, and the front plate which have been selected from the group to constitute the two or more overlapping sheet-like members, and a second protrusion configured to protrude from the Fresnel lens sheet to fix the Fresnel lens sheet to the Lenticular lens sheet, the Lenticular lens sheet having a hollow place which is fitted by the second protrusion~~ wherein first and second protrusions are formed in the Fresnel lens sheet, the Lenticular lens sheet has a hollow place into which one of the first and second protrusions of the Fresnel lens sheet is fitted, the screen having a main body or screen frame having a hollow place into which one of the first and second protrusions of the Fresnel lens sheet is fitted, a gap is formed between the Fresnel lens sheet and the Lenticular lens sheet over the entire area of the screen image effective region of the screen and the first and second protrusions and the hollow place of the Lenticular lens are located outside the screen image effective region of the screen,

the method comprising steps of:

fabricating an inverted mold of each of the first and second protrusions into a metal mold or a stamper;

forming the two or more overlapping sheet-like members with the first and second protrusions integrally formed thereon by injection molding using the metal mold or the stamper; and

attaching the two or more overlapping sheet-like members either to a main body of a rear-projection type image display apparatus or to a screen frame of the rear-projection type screen.

Claim 26 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 25, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on a stamper holder.

Claim 27 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 25, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on both surfaces of the sheet-like members.

Claim 28 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 25, wherein the sheet-like members are made of any one of acrylic resin, polycarbonate resin, polyolefin resin, polystyrene resin, thermoplastic elastomer resin, and copolymerized resin thereof.

Claim 29 (Currently Amended): A method of manufacturing a rear-projection type screen having three overlapping sheet-like members, wherein a first sheet-like member of the three overlapping sheet-like members has a hollow place, a second sheet-like member of the three overlapping sheet-like members is placed between the first sheet-like member of the three overlapping sheet-like members and a third sheet-like member of the three overlapping sheet-like members, and a protrusion ~~being~~ is integrally formed to protrude from the third sheet-like member,

the method comprising steps of:

fabricating an inverted mold of the protrusion into a metal mold or a stamper; forming the three overlapping sheet-like members with the protrusion integrally formed thereon by injection molding using the metal mold or the stamper; and

fitting the protrusion in the hollow place in the first sheet-like member of the three overlapping sheet-like members to entirely fit the second sheet-like member of the three overlapping sheet-like members between the first sheet-like member and the third sheet-like member wherein the first sheet-like member comprises a front plate, the second sheet-like member comprises a Lenticular lens sheet, the third sheet-like member comprises a Fresnel lens sheet, the Lenticular lens sheet having the hollow place formed therein into which at least part of the protrusion that is formed in the Fresnel lens sheet is fitted, the protrusion and the hollow place of the Lenticular lens sheet are located outside the screen image effective region of the screen, and wherein a gap is created between the Fresnel lens sheet and the Lenticular lens sheet and is positioned within the entire area of the screen image effective region of the screen.

Claim 30 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 29, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on a stamper holder.

Claim 31 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 29, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on both surfaces of the sheet-like members.

Claim 32 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 29, wherein the sheet-like members are made of any one of acrylic resin, polycarbonate resin, polyolefin resin, polystyrene resin, thermoplastic elastomer resin, and copolymerized resin thereof.

Claim 33 (Currently Amended): A method of manufacturing a rear-projection type screen having two overlapping sheet-like members, wherein a first sheet-like member of the two overlapping sheet-like members has a protrusion being integrally formed to protrude therefrom, and a second sheet-like member of the two overlapping sheet-like members has a hollow place, the method comprising steps of:

fabricating an inverted mold of the protrusion into a metal mold or a stamper;

forming the first overlapping sheet-like member with the protrusion formed integrally thereon by injection molding using the metal mold or the stamper; and

fixing the first overlapping sheet-like member to the second overlapping sheet-like member by fitting of the protrusion of the first overlapping sheet-like member into the hollow place of the second sheet-like member wherein the first sheet-like member comprises a Fresnel lens sheet, the second sheet-like member comprises a Lenticular lens sheet, and the protrusion and the hollow place of the Lenticular lens sheet are located outside the screen image effective region of the screen.

Claim 34 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 33, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on a stamper holder.

Claim 35 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 33, ~~wherein~~ which comprises mounting the stamper is ~~mounted~~ on both surfaces of the sheet-like members.

Claim 36 (Previously Presented): The method of manufacturing the rear-projection type screen according to claim 33, wherein the sheet-like members are made of any one of

Application No. 10/619,414
Reply to Office Action of August 9, 2005.

acrylic resin, polycarbonate resin, polyolefin resin, polystyrene resin, thermoplastic elastomer resin, and copolymerized resin thereof.